

KRAEUTER

HIGH GRADE

TOOLS

PLIERS

WRENCHES

CHISELS

AUTOMOTIVE TOOLS

MACHINISTS TOOLS

"ASK ANY MECHANIC"

KRAEUTER & COMPANY, INC.

ESTABLISHED 1860

INCORPORATED 1907

509 EIGHTEENTH AVE., NEWARK, N. J., U.S.A.



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HIGH GRADE

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PLIERS, WRENCHES, CHISELS
AUTOMOTIVE TOOLS
MACHINISTS' TOOLS



CATALOG No. 18

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JULY 1939

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569-585 Eighteenth Ave., NEWARK, N. J., U. S. A.



FOREWORD

This business was established in 1860—seventy-nine years ago. Since then, our aim has always been (and always will be) to devote ourselves, exclusively, to manufacturing tools of the very best quality.

Today, Krauter tools are considered by experts to be the highest quality line in the world.

All our edged and gripping tools are scientifically heat treated and hardened in automatic furnaces where the temperature is regulated electrically without possibility of human error. This guarantees absolute uniformity of temper, and tools of extra long life.

If you could walk through our factory and see the earnest painstaking care that is taken with even the slightest detail, you could not fail to realize the superiority of Krauter tools.

From start to finish, nothing but perfect workmanship and the best material goes into the production of Krauter tools. Their splendid finish denotes this skilled workmanship, and appeals to all users of tools.

Whether you know little or everything about tools, a moment's comparison will convince you of the superiority of the Krauter line.

Quality tools aid dealers in building up a reputation of the most desirable kind.

President

KRAUTER & CO., INC.



KRAEUTER TOOLS OF QUALITY

STEEL

The first requisite of quality tools is good steel. It will be readily recognized that pliers, chisels, punches, etc. are hand tools of varied and severe duties.

KRAEUTER tools are superior as hand tools because the composition is selected to offer the best cutting edge and the heat-treating characteristics are selected to give toughness and elasticity where required.

Tool Steel, in the modern sense, does not define only a composition. There is probably no other grade of steel requiring the skill and control in melting and processing that goes into the manufacture of high-grade tool steel. The *Tool Steel* that is used for KRAEUTER tools is selected at the source for application to each *model and size of tool*.

To maintain the accuracy of steel selection and control that is needed for best performance, uniformity and controlability of each melt is essential. *Electric Furnace Tool Steel* is the only type possessing these desired characteristics. Open hearth melting practice has advantages in tonnage production, but uniformity and controlability are both sacrificed because chemical changes continue even as the melt is poured. *Electric Furnace* practice starts with selected raw material of known composition, controls slag and metal composition and reaction exactly as desired, and finishes with a steel constant and uniform in composition and in hardening character.

The melting of the *Electric Furnace Tool Steel* is so controlled that the product can be held within several very definite ranges of hardenability and heat sensitivity, and always within the fine-grained classification.

This control of composition and heat-treating characteristics is checked by methods which test the response to heat-treatment. Data obtained for each lot of steel govern the application to the proper type and size of tool. Thus each tool is made from steel of just the right characteristics to suit its particular dimensions, shape, and duties.

FINISH

Pliers are made in several finishes — Full Nickel, Dull Nickel, Tumble Nickel, Full Polished, Blue Temper, Black and Natural. Many industrial trades using pliers do not need the finely nickeled and highly polished finish on their pliers. Therefore, some styles and sizes of pliers are made in more than one finish and by eliminating certain grinding and polishing operations, lower prices are possible due to economies in manufacture. The working qualities are not affected—the only difference is in the finish.

"K" BRAND PLIERS

To meet the demand for low-priced tools for home, farm and occasional use, we offer "K" brand pliers. They are of good quality steel with hardened and tempered jaws and are furnished in "blue temper" finish. The styles and sizes have been carefully selected as fast-selling numbers.



Guarantee

Every tool branded "KRAEUTER" is guaranteed against defects in material and workmanship.

Any tool proving unsatisfactory as to material or workmanship should be returned direct to us for our examination. If found to be defective, a prompt replacement will be made without charge.

Certificate of Test

Every "KRAEUTER" tool is thoroughly tested for its particular use on a specially designed testing machine and should give the utmost satisfaction.

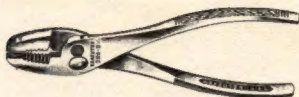
Warning

We will not replace tools that have been abused—burned on live wire—stamped with steel die and hammer—handles used for prying lever—worn out by lengthy service—or when an unsuccessful repairing job has been attempted—or improperly used.

Any person offering "Kraeuter" tools as "unbreakable," "guaranteed for life," "unconditionally guaranteed," or making any other misleading inducement does so without our authority.



The Choice of Skilled Mechanics



"GRIPTITE" COMBINATION PLIERS

New Pattern

These are of new design with slightly tapered nose, and are fitted with special non-slipping serrated edge wire cutters. The two larger sizes have **three slip-joint adjustments** which give a wider range of parallel grips on large nuts. No. 356 is furnished with the famous "Don't Slip" handle design. No. 355 is furnished with smooth handles.

No.	Length	Finish	Wt. per doz.	Price Each
356	5½ in.	Full Nickel	3½ lbs.	
356	6 in.	" "	5¼ lbs.	
356	8 in.	" "	8¾ lbs.	
356	10 in.	" "	14 lbs.	
355	5½ in.	Blue Temper	3½ lbs.	
355	6 in.	" "	5¼ lbs.	
355	8 in.	" "	8¾ lbs.	
355	10 in.	" "	14 lbs.	



COMBINATION PLIERS

These well-made sturdy pliers are designed to meet the demand for medium priced good quality pliers that will give good service.

No.	Length	Finish	Wt. per doz.	Price Each
36	6 in.	Dull Nickel	6 lbs.	
38	8 in.	" "	7 lbs.	
310	10 in.	" "	12¾ lbs.	
46	6 in.	Full Nickel	6 lbs.	
48	8 in.	" "	7 lbs.	



COMBINATION SIDE CUTTING PLIERS

A very popular automotive combination slip-joint plier. Has side cutter suitable for cutting insulated or bare wire. Small groove in nose for holding cotter pins. No. 1973 is furnished with the famous "Don't Slip" handle design. No. 1972 is furnished with smooth handles.

No.	Length	Finish	Wt. per doz.	Price Each
1973	5½ in.	Full Nickel	3½ lbs.	
1973	7 in.	" "	7¼ lbs.	
1972	5½ in.	Blue Temper	3½ lbs.	
1972	7 in.	" "	7¼ lbs.	



BLACK FINISH COMBINATION PLIERS

A special low price Krauter Plier.

Black finish, with polished head. Made of forged steel, accurately hardened and heat treated. The teeth bite hard, and neither crush down from softness nor crumble from excessive hardness.

No.	Length	Finish	Wt. per doz.	Price Each
360	6 in.	Black	5¼ lbs.	



HOUSEHOLD PLIERS

An inexpensive combination plier for use around the house. A serviceable tool.

No.	Length	Finish	Wt. per doz.	Price Each
10	6 in.	Tumble Nickel	4½ lbs.	



NEW "GRIP-IT" PLIERS

These sensational new parrot nose "Grip-It" Pliers are the most powerful gripping pliers on the market.

They have twice the grip of ordinary pliers and will grip round objects such as studs, pipe, etc., at any point in the jaws, and at any angle without slipping.

No.	Length	Finish	Wt. per doz.	Price Each
516	6 in.	Blue Temper	5½ lbs.	
518	8 in.	" "	8¾ lbs.	



"SURE-GRIP" COMBINATION PLIERS

The finest gripping pliers ever built. Grips like a Stillson Wrench, and never lets go. Handy utility pliers for use on spark plugs, bolts, nuts, feed pipes, gas lines and general work around a car.

No.	Length	Finish	Wt. per doz.	Price Each
743	6 in.	Blue Temper	4¾ lbs.	
743	7 in.	" "	5¾ lbs.	
743	8 in.	" "	8¼ lbs.	



The Choice of Skilled Mechanics



THIN NOSE COMBINATION PLIERS

The tapered jaws and long, thin nose of these pliers enable the mechanic to reach and grip objects difficult to reach. Milled teeth and wire cutter give them a wide range of usefulness.

No.	Length	Finish	Wt. per doz.	Price Each
40	5 in.	Full Nickel	2 1/4 lbs.	
40	6 in.	" "	4 1/4 lbs.	



THIN NOSE COMBINATION PLIERS

The narrow jaws enable you to reach into tight corners. Very handy for tightening and releasing thin lock nuts. No. 1903 is furnished with the famous "Don't Slip" handle design. No. 1902 is furnished with smooth handles.

No.	Length	Finish	Wt. per doz.	Price Each
1903	7 in.	Full Nickel	5 1/4 lbs.	
1902	7 in.	Blue Temper	5 1/4 lbs.	



BENT THIN NOSE COMBINATION PLIERS

The narrow jaws reach into tight places, and the bent nose saves barking your knuckles when turning a set nut. No. 1913 is furnished with the famous "Don't Slip" handle design. No. 1912 is furnished with smooth handles.

No.	Length	Finish	Wt. per doz.	Price Each
1913	5 1/2 in.	Full Nickel	3 lbs.	
1913	7 in.	" "	5 3/4 lbs.	
1912	7 in.	Blue Temper	5 3/4 lbs.	



THIN NOSE GRIPPING PLIERS—POCKET SIZE

Vest pocket pliers with wonderful gripping features. Has an extra thin straight nose for reaching into difficult places.

No.	Length	Finish	Wt. per doz.	Price Each
1933	5 1/2 in.	Full Nickel	2 3/4 lbs.	



BENT NOSE COMBINATION PLIERS

Jaws are set at an angle of 45°. Especially useful for angle work. Very powerful.

No.	Length	Finish	Wt. per doz.	Price Each
1923	8 in.	Blue Temper	9 lbs.	
1923	10 in.	" "	13 1/4 lbs.	



"SURE-GRIP" IGNITION PLIERS

New Pattern

A handy little plier to replace 10- or 12-piece sets of ignition wrenches. Has bulldog grip, slip joint adjustment, serrated teeth, narrow nose, and thin, strong, shaped handles.

Can be used to advantage on distributor, generator, magneto, carburetor, dash panel connections, and on any small or awkwardly placed nuts.

Instantly adjustable and a marvelous time saver.

No.	Length	Finish	Wt. per doz.	Price Each
643	5 in.	Blue Temper	1 lb.	



WATER PUMP PLIERS

Specially designed for that troublesome job of servicing auto water pumps. Has six slip-joint adjustments. Should be in every mechanic's tool kit.

No.	Length	Finish	Wt. per doz.	Price Each
1943	10 in.	Blue Temper	7 3/4 lbs.	



"BUTTONS" PATTERN PLIERS

A firm gripping plier with face of jaws milled to prevent slipping. Possesses features for gripping bolts, nuts, pipes, rods, etc.—and has three wire cutters. Forged of special plier steel, accurately tempered, carefully fitted. We have made this popular pattern an extremely attractive general utility and home tool.

No.	Length	Finish	Wt. per doz.	Price Each
1841	6 1/2 in.	Blue Temper	5 3/4 lbs.	
1841	8 in.	" "	9 lbs.	
1841	10 in.	" "	14 lbs.	

Also Furnished in K Brand. See Page No. 14.



The Choice of Skilled Mechanics



ELECTRICIANS' DIAGONAL CUTTING PLIERS

Longer jaws and made especially for close cutting. Forged from special plier steel and finely fitted for exact work.

No.	Length	Finish	Wt. per doz.	Price Each
4601	4½ in.	Full Polished	1½ lbs.	
4601	5 in.	" "	2¾ lbs.	
4601	5½ in.	" "	3¼ lbs.	
4601	6 in.	" "	3¾ lbs.	
4601	7½ in.	" "	6 lbs.	
4501	4½ in.	Blue Temper	1½ lbs.	
4501	5 in.	" "	2¾ lbs.	
4501	5½ in.	" "	3¼ lbs.	
4501	6 in.	" "	3¾ lbs.	
4501	7½ in.	" "	6 lbs.	

Also Furnished in K Brand. See Page No. 11.
For Very Fine Needle Points—See No. 5601.
Page No. 11.



DIAGONAL COTTER PIN PLIERS

New diagonal cutting plier, specially designed with short, powerful jaws correctly tempered for pulling out or cutting stubborn cotter pins.

No.	Length	Finish	Wt. per doz.	Price Each
3601	6 in.	Blue Temper	4½ lbs.	
3601	7 in.	" "	8½ lbs.	



NEW EXTRA-HEAVY-DUTY DIAGONAL CUTTING PLIERS

A husky newly developed heavy-duty diagonal cutting plier with long-wearing lap joint.

For close cutting on tough work, on electrical, power or maintenance job.

No.	Length	Finish	Wt. per doz.	Price Each
246	6 in.	Blue Temper	4½ lbs.	
247	7 in.	" "	6 lbs.	
248	8 in.	" "	9¾ lbs.	



RADIO PLIERS

Diagonal cutting pliers specially developed for close cutting in radio and radio tube work.

No.	Length	Finish	Wt. per doz.	Price Each
2612	6 in.	Blue Temper	3 lbs.	



EXTRA HEAVY DIAGONAL CUTTING PLIERS

Designed to meet the demand for a larger and more powerful diagonal cutter. Is practically unbreakable. Joint is extra heavy and rigid.

No.	Length	Finish	Wt. per doz.	Price Each
4611	6½ in.	Full Polished	5¾ lbs.	
4610	6½ in.	Blue Temper	5¾ lbs.	

Also Furnished in K Brand. See Page No. 14.



DIAGONAL HARD WIRE CUTTERS

This tool was designed for cutting hardened wire, coil springs, choke wire, fish hooks and leaders. Will cut up to ¼" diameter. Also suitable for general use.

No.	Length	Finish	Wt. per doz.	Price Each
4206	6 in.	Blue Temper	4½ lbs.	



Pat. No. 2,043,373

NEW HY-POWER COTTER DIAGONAL PLIERS

The finest cotter pin plier on the market—entirely new design—made especially for pulling out cotter pins. Heavy diagonal milled jaws and slot give added strength, holding power and leverage. Has powerful side cutter. Slot furnished in 7" and 8" sizes only. This plier is also used by linemen for stretching, pulling, and cutting wire.

No.	Length	Finish	Wt. per doz.	Price Each
936	6 in.	Blue Temper	5¼ lbs.	
937	7 in.	" "	6¾ lbs.	
938	8 in.	" "	10½ lbs.	



Pat. No. 2,088,224

RING LOCK SIDE-CUTTING PLIERS

The Krautter "Ring-Lock" Plier construction is one of the outstanding developments of the plier industry. The screw bearings hold the two halves of the plier together. The rings or bearings on which the plier "rides" is larger than the rivet, closer to the cutters, provides equal bearing on each side and prevents torsional strain when cutting, which is the chief defect of lap-joint rivet bearing pliers.

No.	Length	Finish	Wt. per doz.	Price Each
8208 ½	8½ in.	Blue Temper	10 lbs.	



The Choice of Skilled Mechanics



HEAVY DUTY LINEMEN'S PLIERS

The finest linemen's pliers made. Finest steel individually tested for strength, hardness, cutting power and ability to stand abuse.

No.	Length	Finish	Wt. per doz.	Price Each
4801	6 in.	Full Polished	5¼ lbs.	
4801	7 in.	" "	7½ lbs.	
4801	8 in.	" "	11¼ lbs.	



SIDE CUTTING PLIERS

Used extensively for electrical and general wiring work. Strongly constructed with sturdy wire cutters. A very popular style.

No.	Length	Finish	Wt. per doz.	Price Each
1831	4 in.	Full Polished	1½ lbs.	
1831	5 in.	" "	2¼ lbs.	
1831	6½ in.	" "	4¾ lbs.	
1831	7 in.	" "	6¾ lbs.	
1831	8 in.	" "	8¼ lbs.	
1830	4 in.	Blue Temper	1½ lbs.	
1830	5 in.	" "	2¼ lbs.	
1830	6½ in.	" "	4¾ lbs.	
1830	7 in.	" "	6¾ lbs.	
1830	8 in.	" "	8¼ lbs.	

Also Furnished in K Brand. See Page No. 14.



HY-POWER SIDE CUTTING PLIERS

Useful for heavy duty jobs of wire cutting and twisting. Very strongly constructed and have extra tough jaws.

No.	Length	Finish	Wt. per doz.	Price Each
1801	6 in.	Blue Temper	5¼ lbs.	
1801	7 in.	" "	7½ lbs.	
1801	8½ in.	" "	11¼ lbs.	

Also Furnished in K Brand. See Page No. 14.



END CUTTING NIPPERS

A strong, easy-cutting single joint nipper. The jaw is compact and the rivet lies close to the edge, affording maximum leverage. A quick-action tool, forged of high-grade tool steel with sharp, enduring cutters.

No.	Length	Finish	Wt. per doz.	Price Each
1851	5 in.	Full Polished	4½ lbs.	
1851	6 in.	" "	6 lbs.	
1851	7 in.	" "	8 lbs.	
1851	8 in.	" "	10½ lbs.	

Spring in Handle for slight additional charge.



"DREADNOUGHT" LINEMEN'S PLIERS

Heavy Duty—Lap Jointed

Powerful and durable—wonderful strength and cutting power. Drop forged—perfectly hardened, accurately fitted.

No.	Length	Finish	Wt. per doz.	Price Each
2801	6 in.	Full Polished	5¼ lbs.	
2801	7 in.	" "	7½ lbs.	
2801	8½ in.	" "	11¼ lbs.	



WITH STRIPPING NOTCH

Extensively used on electrical outside lighting fixtures, for cutting and stripping the asbestos insulation on 14 gauge wire without injury to the wire.

No.	Length	Finish	Wt. per doz.	Price Each
S2801	6 in.	Full Polished	5¼ lbs.	
S2801	7 in.	" "	7½ lbs.	
S2801	8½ in.	" "	11¼ lbs.	



UNIVERSAL SIDE-CUTTING PLIERS

This is not only an excellent many-use household plier, but an extremely serviceable tool for mechanics. Its many features are all practical. It is very well made, forged of high-grade tool steel, perfectly tempered, and carefully machined.

No.	Length	Finish	Wt. per doz.	Price Each
1821	5½ in.	Blue Temper	3 lbs.	
1821	6½ in.	" "	4½ lbs.	
1821	7½ in.	" "	6¾ lbs.	
1821	8 in.	" "	8¼ lbs.	



END CUTTING NIPPERS

A very efficient tool for many cutting operations. Same design as No. 1851.

No.	Length	Finish	Wt. per doz.	Price Each
1850	5 in.	Blue Temper	4½ lbs.	
1850	6 in.	" "	6 lbs.	
1850	7 in.	" "	8 lbs.	
1850	8 in.	" "	10½ lbs.	

Spring in Handle for Slight Additional Charge.

Also Furnished in K Brand. See Page No. 14.



The Choice of Skilled Mechanics



NEEDLE NOSE SIDE CUTTING PLIERS

A fine slender nosed, tapered point plier. Handy on all ignition work and on generators, starters, switch work, etc.

No.	Length	Finish	Wt. per doz.	Price Each
1661	6 in.	Blue Temper	3½ lbs.	
1671	Same without cutter		3½ lbs.	
1662	6 in.	Full Polished	3½ lbs.	
1672	Same without cutter		3½ lbs.	

Also Furnished in K Brand. See Page No. 14.
For Very Fine Needle Points See No. 826-836.
Page No. 11.



LONG NOSE SIDE-CUTTING CHAIN PLIERS

The long slender jaws are milled inside, and the side-cutters are built to cut. An easy operating plier with sturdy joint.

No.	Length	Finish	Wt. per doz.	Price Each
1681	6 in.	Blue Temper	3¾ lbs.	



LONG NOSE CHAIN PLIERS

Designed for use as a half-round nose, chain nose and flat nose plier. Made without cutter.

No.	Length	Finish	Wt. per doz.	Price Each
1691	6 in.	Blue Temper	2¾ lbs.	



SHORT NOSE SIDE-CUTTING CHAIN PLIERS

One feature of this plier is the long joint which makes it a sturdy tool. The jaws are milled, cutting edges thoroughly tested, and handles fit the hand perfectly.

No.	Length	Finish	Wt. per doz.	Price Each
1701	5 in.	Blue Temper	2¼ lbs.	

For Very Fine Needle Points. See No. 825.
Page No. 11.



SHORT NOSE CHAIN PLIERS

Designed for use as a half-round nose, chain nose or flat nose plier. Has long joint for easy operation. Made without side-cutter. Handles fit the hand.

No.	Length	Finish	Wt. per doz.	Price Each
1711	5 in.	Blue Temper	2¾ lbs.	



ELECTRICIANS' LONG NOSE SIDE-CUTTING PLIERS

This plier has a long slender nose, milled jaws, and is made with a semi-flat point ½ inch wide. It is especially adapted for fine wire work and has a side-cutter.

No.	Length	Finish	Wt. per doz.	Price Each
1721	6 in.	Blue Temper	2¾ lbs.	
1731	Same without Cutter		2¾ lbs.	
1722	6 in.	Full Polished	2¾ lbs.	



EXTRA LONG REACH FLAT NOSE PLIERS

The long, flat nose is nicely tapered and beveled. No cutter. Adaptable to all the uses of a flat nose plier with the added feature of an extremely long nose.

No.	Length	Finish	Wt. per doz.	Price Each
1741	6 in.	Blue Temper	3 lbs.	
1751	Same with Cutter		3 lbs.	



EXTRA LONG NOSE PLIERS

Very popular with auto mechanics and repair men. Especially good for radiator repair work and in places difficult to reach. Used on auto ignition work on generators, starters, switch work, etc., and on speedometer repair work. Length of jaw 2¾ in.

No.	Length	Finish	Wt. per doz.	Price Each
1761	7 in.	Blue Temper	3 lbs.	
1771	Same without Cutter		3 lbs.	
1772	7 in.	Full Polished	3 lbs.	
1782	Same without cutter		3 lbs.	

For Very Fine Needle Points. See No. 827-837
Page No. 11.



The Choice of Skilled Mechanics



MILLINERS' FLAT NOSE SIDE-CUTTING PLIERS

A universal small milliners' plier, light and powerful. Has a fine cutter with beveled and milled jaws, elegantly shaped handles that fit the hand.

No.	Length	Finish	Wt. per doz.	Price Each
1591	4½ in.	Full Polished	1½ lbs.	
1593	4½ in.	Full Nickel	1½ lbs.	



FLAT NOSE PLIERS

This plier is very carefully designed with nicely tapered and beveled jaws, milled inside. Possesses all the Krautter quality features.

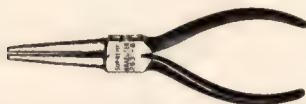
No.	Length	Finish	Wt. per doz.	Price Each
1601	4 in.	Blue Temper	1¼ lbs.	
1601	4½ in.	" "	1½ lbs.	
1601	5 in.	" "	2¼ lbs.	
1601	5½ in.	" "	3 lbs.	
1601	6 in.	" "	3¾ lbs.	



ROUND NOSE PLIERS

A quality plier with graceful lines, forged and tempered, fitted carefully.

No.	Length	Finish	Wt. per doz.	Price Each
1611	4 in.	Blue Temper	1½ lbs.	
1611	4½ in.	" "	2 lbs.	
1611	5 in.	" "	2¼ lbs.	
1611	5½ in.	" "	2¾ lbs.	
1611	6 in.	" "	3 lbs.	



FINE ROUND NOSE—EXTRA LONG PLIERS

Specially developed for radio and radio tube work. Long round nose jaws milled on the end. Extensively used by leading manufacturers.

No.	Length	Finish	Wt. per doz.	Price Each
1631	6 in.	Blue Temper	2¾ lbs.	



LONG FINE NEEDLE NOSE PLIERS

This pattern is especially made for difficult and odd jobs where no other plier will answer. Especially useful for auto mechanics and vulcanizers. Its capacity for fine work is unusual. The long, fine nose is very carefully tempered.

No.	Length	Finish	Wt. per doz.	Price Each
1621	6 in.	Blue Temper	2¼ lbs.	
1622	6 in.	Full Polished	2¼ lbs.	



CURVED NEEDLE NOSE PLIERS

Spring tempered, long curved nose pliers for unusual jobs. Used by auto electricians, mechanics, etc., for any awkward jobs around the car.

No.	Length	Finish	Wt. per doz.	Price Each
1631	5½ in.	Blue Temper	2¼ lbs.	
1632	5½ in.	Full Polished	2¼ lbs.	



ELECTRICIANS' SHORT NOSE SIDE-CUTTING PLIERS

A well-balanced plier, slender nose, milled jaws, edges of side-cutter are perfectly tempered so as to remain sharp. Krautter quality throughout.

No.	Length	Finish	Wt. per doz.	Price Each
1641	5 in.	Blue Temper	2¼ lbs.	
1642	5 in.	Full Polished	2¼ lbs.	



WEAVERS' AND KNITTERS' PLIERS

Very thin jaws are especially adaptable to heddles and reeds in textile work. Very useful where a slender nose plier with flat jaws is serviceable.

No.	Length	Finish	Wt. per doz.	Price Each
1651	6 in.	Blue Temper	2¾ lbs.	



The Choice of Skilled Mechanics

Professional Line SPECIAL NEEDLE-POINT PLIERS

For Radio - Electrical - Optical and Jewelry Work

These extra fine needle-point pliers are specially designed for light professional use in the radio, electrical, optical and jewelry field. They are invaluable where delicate adjustments have to be made. (Nose of these Pliers Not Guaranteed.)

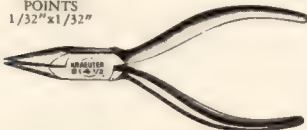
NEEDLE
POINTS
1/32"x1/32"



Short Nose Extra-fine Needlepoints—without cutter.

No.	Length	Finish	Wt. per doz.	Price Each
800	4 in.	Full Polished	1½ lbs.	
800	4½ in.	" "	1¾ lbs.	
800	5 in.	" "	2¼ lbs.	
800	5½ in.	" "	3 lbs.	
800	6 in.	" "	3¾ lbs.	

NEEDLE
POINTS
1/32"x1/32"



Extra fine points and narrow jaw—fine nose—without cutter.

No.	Length	Finish	Wt. per doz.	Price Each
814	4½ in.	Full Polished	1½ lbs.	

NEEDLE
POINTS
1/32"x1/32"



Short-Nose extra fine needlepoint—with side cutter.

No.	Length	Finish	Wt. per doz.	Price Each
824	4½ in.	Full Polished	1½ lbs.	

NEEDLE
POINTS
1/32"x1/32"



Short-Nose extra fine needlepoint—with side cutter.

No.	Length	Finish	Wt. per doz.	Price Each
825	5 in.	Full Polished	2¼ lbs.	

NEEDLE
POINTS
1/32"x1/32"



Medium-Nose extra fine needlepoint—with side cutter.

No.	Length	Finish	Wt. per doz.	Price Each
826	6 in.	Full Polished	3 lbs.	

NEEDLE
POINTS
1/32"x1/32"



Medium-Nose extra fine needle points—without cutter.

No.	Length	Finish	Wt. per doz.	Price Each
836	6 in.	Full Polished	2¾ lbs.	

NEEDLE
POINTS
1/32"x1/32"



Long-Nose extra fine needlepoints—without cutter.

No.	Length	Finish	Wt. per doz.	Price Each
837	7 in.	Full Polished	3¾ lbs.	
827	Same with Cutter		3¾ lbs.	

NEEDLE
POINTS



Radio and Electrical Fine Nose Diagonal.

No.	Length	Finish	Wt. per doz.	Price Each
5601	4½ in.	Full Polished	2 lbs.	
5601	5 in.	" "	2¾ lbs.	
5601	5½ in.	" "	3¼ lbs.	
5601	6 in.	" "	3¾ lbs.	



The Choice of Skilled Mechanics



GLASS PLIERS

Forged entirely from high-grade steel, and tempered so hard that inserted jaws are not required. Approved by the largest window glass dealers in the country as the most serviceable and durable tool obtainable.

No.	Length	Finish	Wt. per doz.	Price
451	8 in.	Blue Temper	9 lbs.	Each
	**10 in.	"	13½ lbs.	

* Jaws are parallel when open $\frac{7}{16}$ inch—made for $\frac{3}{8}$ -inch and smaller glass.

** Jaws are parallel when open $\frac{9}{16}$ inch—made for $\frac{1}{2}$ -inch and smaller glass.

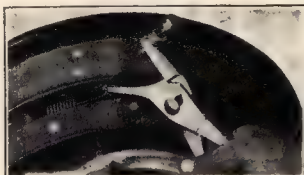


OFFSET BATTERY PLIER

An improved type of battery plier that grips like a Pipe Wrench and has wonderful leverage.

Narrow jaws can work in confined spaces. Invaluable for removing battery terminals.

No.	Length	Finish	Wt. per doz.	Price
948	8 in.	Blue Temper	5 lbs.	Each



Unhooking
Brake
Springs

A One
Hand
Operation

BRAKE SPRING PLIERS

A marvelous labor-saving tool for removing and replacing internal brake springs on large internal brake drums without disassembling. Saves 50% time on relining jobs. The 7-in. size for use on all medium size cars. The 10-in. size is used on trucks and larger pleasure cars and will span brake bands up to 5 in. wide. Both sizes have adjusting screws.

No.	Length	Finish	Wt. per doz.	Price
851	7 in.	Blue Temper	5¾ lbs.	Each
851	10 in.	"	10½ lbs.	



POWERFUL WIRE CUTTERS

Originally designed for the U. S. Gov't., for war-time use on barbed wire. Strong jaws, fine cutters and powerful leverage.

No.	Length	Finish	Wt. per doz.	Price
1939	8 in.	Natural	8¼ lbs.	Each

SPREADING WASHER



CLOSING WASHER



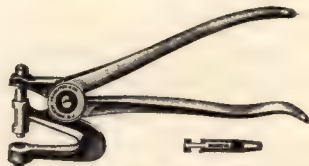
THE ORIGINAL

BRAKE SHOE WASHER SPREADER

An indispensable time-saving tool for quickly spreading and closing the "horse shoe" washer used on hydraulic brake systems which have now entered the light car field and are very popular.

To open—insert the slotted jaws between the washer ends—and spread. To close—change plier fulcrum and squeeze washer ends into place.

No.	Length	Finish	Wt. per doz.	Price
751	7 in.	Blue Temper	6 lbs.	Each



LEVER BELT PUNCH

Tubes interchangeable at will. Extra tubes at additional cost.

No.	Length	Finish	Wt. per doz.	Price
211	10 in.	Blue Temper	15 lbs.	Each

SIZES OF TUBES

No.	6	8	10	12	14
Size	$\frac{1}{8}$	$\frac{3}{32}$	$\frac{1}{16}$	$\frac{7}{32}$	$\frac{1}{4}$



REVOLVING OR SADDLER'S PUNCHES

Forged steel. For punching leather, cloth, etc.

SIX TUBES				Price
No.	Length	Oz. Each		Each
19	8¾ in.	13		

Sizes of Tubes

$\frac{7}{64}$	$\frac{1}{8}$	$\frac{3}{64}$	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{1}{8}$ in.
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FOUR TUBES

No.	Length	Oz. Each
18	8¾ in.	13

Sizes of Tubes

$\frac{7}{64}$	$\frac{3}{64}$	$\frac{1}{32}$	$\frac{1}{16}$
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Extra tubes of above sizes can be furnished.



KRAUTER "COHARDITE" INSULATED PLIERS

Safety tested from 10,000 to 20,000 Volts
Invaluable to television and radio mechanics,
linemen, metermen and all electrical workers.

— INCREASED FACTOR OF SAFETY —
KRAUTER "COHARDITE" INSULATED
HANDLES

1. Resist extreme temperatures, moisture, oil and acid fumes.
2. Will not peel or crack.
3. Tough, rugged, and will stand abuse.
4. Tested to full di-electric test before leaving factory.
5. Approved by safety engineers wherever used.

KRAUTER "COHARDITE" INSULATED LINEMEN'S PLIERS



Heavy Duty — Lap Jointed

Powerful and durable—wonderful strength and cutting power. Drop-forged, perfectly hardened, accurately fitted.

No.	Length	Wt. per Doz.	Price Each
IN-2801	8 1/2"	13 lbs.	

KRAUTER "COHARDITE" INSULATED NEEDLE NOSE SIDE CUTTING PLIERS



A fine slender nosed, taper point plier. Handy on all ignition work and on generators, starters, switch work, etc.

No.	Length	Wt. per Doz.	Price Each
IN-1661	6"	4 lbs. 10 oz.	

KRAUTER "COHARDITE" INSULATED DIAGONAL CUTTING PLIERS



Longer jaws and made especially for close cutting. Forged from special plier steel and finely fitted for exact work.

No.	Length	Wt. per Doz.	Price Each
IN-4501	5"	4 lbs.	

NEW KRAUTER LEVER BELT PUNCHES NO. 212

Improved Pattern



This is a greatly improved pattern that can be quickly disassembled and is furnished with an adjusting screw for easy adjustment.

For easy clearance each interchangeable tube has a hole straight through the center so that waste pieces are pushed out of the end and do not clog the tubes.

Extra tubes at additional cost.

No.	Length	Finish	Wt. per Doz.	Price Each
212	10"	Blue Temper	17 1/2 lbs.	

Size of tubes:

Nos.	6	8	10	12	14
Size	1/8"	5/32"	3/16"	7/32"	1/4"

THE FAMOUS BRAND PLIERS

By Kraeuter

(Blue Temper Finish)

**FINE QUALITY
STEEL**

**HARDENED
TEMPERED**

These "K" Brand Pliers are a Kraeuter product and are carefully selected as fast selling numbers. They are of good quality steel with hardened and tempered jaws and are furnished in a blue temper finish. The styles and sizes shown below are very popular with the trade. The "K" Brand Pliers are fine quality, dependable pliers at prices which are remarkably low and will undoubtedly prove to be best sellers.



"BUTTON'S" PATTERN PLIERS

A firm gripping pliers with face of jaws milled to prevent slipping. Possesses features for gripping bolts, nuts, pipes, rods, etc.—and has three wire-cutters. Forged of special plier steel, accurately tempered, carefully fitted. Blue temper finish handles, semi-polished head. We have made this popular pattern an extremely attractive general utility and home tool.

No.	Length	Wt. per doz.	Price Each
1480	8 in.	9¾ lbs.	
1480	10 in.	14 lbs.	



ELECTRICIANS' SIDE CUTTING PLIERS

Modified electricians' pliers with accurately fitted lap joint and hardened cutters. Blue temper finish handles, semi-polished head.

No.	Length	Wt. per doz.	Price Each
1380	6½ in.	5¾ lbs.	
1380	7 in.	6¾ lbs.	
1380	8 in.	9½ lbs.	



HEAVY DUTY SIDE CUTTING PLIERS

Useful for heavy duty jobs of wire cutting. Very strongly constructed. Blue temper finish handles and semi-polished head.

No.	Length	Wt. per doz.	Price Each
1800	8½ in.	11½ lbs.	



HEAVY DUTY DIAGONAL PLIERS

A larger and more powerful diagonal cutter. Strongly constructed. Forged from special plier steel. Polished head, blue temper handles.

No.	Length	Wt. per doz.	Price Each
4700	6½ in.	5¾ lbs.	



DIAGONAL CUTTING PLIERS

Designed and made especially for close cutting. Forged from special plier steel. Polished head, blue temper finish handles.

No.	Length	Wt. per doz.	Price Each
4600	5 in.	2¾ lbs.	
4600	6 in.	5 lbs.	



NEEDLE NOSE SIDE CUTTING PLIERS

A fine slender nosed, tapered point pliers. Forged from special plier steel. Polished head, blue temper finish handles.

No.	Length	Wt. per doz.	Price Each
1660	6 in.	3¼ lbs.	



END CUTTING NIPPERS

A strong, easy-cutting nipper. Rivet lies close to cutters, affording maximum leverage. Polished head, blue temper handles.

No.	Length	Wt. per doz.	Price Each
1580	7 in.	8¼ lbs.	

GUARANTEE

Good quality and workmanship. "K" Brand Pliers are designed and made to meet the demand for a low-priced tool for home and farm use. Guaranteed to be free from defects in material and workmanship. Any defective tool will be replaced if returned to factory within 60 days from date of purchase.

KRAEUTER & COMPANY, Inc.

NOTE: Cutters of "K" Brand Pliers are not made for cutting hard wire. For high grade mechanics and industrial work, we make KRAEUTER Brand Pliers in Polished Steel and Blue Temper Finishes.



KRAEUTER CHISELS, PUNCHES, ETC.

The Choice of Skilled Mechanics

Krauter Chisels and Punches are trip hammer forged (not drop forged) from our special analysis tool steel, exceptionally tough, perfectly hardened and tempered.



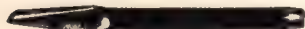
COLD CHISELS

(Sold by Cutting Size)

No. 430—A lower priced trip hammer forged chisel—fine quality steel—well tempered—black finish—polished blade.

Cut	Stock	Length	Wt. per doz.	Price Each
$\frac{3}{16}$ in.	$\frac{3}{16}$ in.	5 in.	$\frac{1}{2}$ lb.	
$\frac{1}{4}$ in.	$\frac{1}{4}$ in.	5 in.	$\frac{3}{4}$ lb.	
$\frac{5}{16}$ in.	$\frac{5}{16}$ in.	5 in.	$1\frac{1}{4}$ lbs.	
$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	5 in.	$1\frac{3}{4}$ lbs.	
$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	6 in.	$2\frac{3}{4}$ lbs.	
$\frac{5}{8}$ in.	$\frac{1}{2}$ in.	$6\frac{1}{2}$ in.	4 lbs.	
$\frac{3}{4}$ in.	$\frac{3}{8}$ in.	7 in.	6 lbs.	
$\frac{7}{8}$ in.	$\frac{3}{4}$ in.	8 in.	$11\frac{1}{2}$ lbs.	
1 in.	$\frac{7}{8}$ in.	$8\frac{1}{2}$ in.	15 lbs.	
$1\frac{1}{8}$ in.	1 in.	9 in.	21 lbs.	
$1\frac{1}{4}$ in.	$1\frac{1}{8}$ in.	$9\frac{1}{2}$ in.	30 lbs.	
$\frac{1}{2}$ in.	$\frac{1}{16}$ in.	12 in.	6 lbs.	
$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	12 in.	$7\frac{3}{4}$ lbs.	
$\frac{3}{16}$ in.	$\frac{3}{8}$ in.	12 in.	12 lbs.	
$\frac{7}{8}$ in.	$\frac{3}{4}$ in.	12 in.	$16\frac{1}{2}$ lbs.	
1 in.	$\frac{7}{8}$ in.	12 in.	24 lbs.	
$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	18 in.	12 lbs.	
$\frac{3}{4}$ in.	$\frac{3}{8}$ in.	18 in.	18 lbs.	
$\frac{7}{8}$ in.	$\frac{3}{4}$ in.	18 in.	$26\frac{3}{4}$ lbs.	
1 in.	$\frac{7}{8}$ in.	18 in.	$34\frac{3}{4}$ lbs.	
$\frac{5}{8}$ in.	$\frac{1}{2}$ in.	24 in.	$16\frac{1}{2}$ lbs.	
$\frac{3}{4}$ in.	$\frac{3}{8}$ in.	24 in.	24 lbs.	
$\frac{7}{8}$ in.	$\frac{3}{4}$ in.	24 in.	36 lbs.	
1 in.	$\frac{7}{8}$ in.	24 in.	48 lbs.	
$\frac{7}{8}$ in.	$\frac{3}{4}$ in.	30 in.	54 lbs.	
1 in.	$\frac{7}{8}$ in.	30 in.	63 lbs.	
$1\frac{1}{8}$ in.	$\frac{3}{4}$ in.	36 in.	$73\frac{1}{2}$ lbs.	
1 in.	$\frac{7}{8}$ in.	36 in.	75 lbs.	

For Panel see page 23



CAPE CHISELS

(Sold by Cutting Size)

Black Enameled Body with Polished Bit.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
635	$\frac{1}{8}$ in.	$\frac{1}{4}$ in.	$5\frac{1}{2}$ in.	$\frac{3}{4}$ lb.	
	$\frac{3}{16}$ in.	$\frac{5}{16}$ in.	$5\frac{1}{2}$ in.	$1\frac{1}{4}$ lbs.	
	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$5\frac{1}{2}$ in.	2 lbs.	
	$\frac{5}{16}$ in.	$\frac{1}{2}$ in.	$6\frac{1}{2}$ in.	$3\frac{3}{4}$ lbs.	
	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$6\frac{1}{2}$ in.	$3\frac{3}{4}$ lbs.	
	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	7 in.	6 lbs.	
	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	$7\frac{1}{2}$ in.	10 lbs.	
	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	8 in.	15 lbs.	

SOIL PIPE CHISELS

No. 440—We furnish No. 430 Cold Chisels with rounded cutting edges for cutting soil pipe—Same Prices. Specify No. 440 and size.



TUNGSTEN CHISELS

No. 230—See full description on page 25



NUGRIP CHISELS

No. 330—See full description on page 26



ROUND NOSE CHISELS

(Sold by Cutting Size)

Black Enameled Body with Polished Bit.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
631	$\frac{1}{8}$ in.	$\frac{1}{4}$ in.	5 in.	$\frac{3}{4}$ lb.	
	$\frac{3}{16}$ in.	$\frac{5}{16}$ in.	5 in.	$1\frac{1}{4}$ lbs.	
	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	5 in.	$1\frac{3}{4}$ lbs.	
	$\frac{5}{16}$ in.	$\frac{1}{2}$ in.	$5\frac{3}{4}$ in.	$3\frac{3}{4}$ lbs.	
	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$6\frac{1}{4}$ in.	$5\frac{1}{2}$ lbs.	
	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	7 in.	9 lbs.	
	$\frac{5}{8}$ in.	$\frac{7}{8}$ in.	8 in.	15 lbs.	



DIAMOND POINT CHISELS

(Sold by Cutting Size)

Black Enameled Body with Polished Bit.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
632	$\frac{1}{8}$ in.	$\frac{1}{4}$ in.	5 in.	$\frac{3}{4}$ lb.	
	$\frac{3}{16}$ in.	$\frac{5}{16}$ in.	5 in.	$1\frac{1}{4}$ lbs.	
	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	5 in.	$1\frac{3}{4}$ lbs.	
	$\frac{5}{16}$ in.	$\frac{1}{2}$ in.	$5\frac{3}{4}$ in.	$3\frac{3}{4}$ lbs.	
	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$6\frac{1}{4}$ in.	6 lbs.	
	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	7 in.	$9\frac{1}{2}$ lbs.	
	$\frac{5}{8}$ in.	$\frac{7}{8}$ in.	8 in.	$15\frac{1}{2}$ lbs.	



ROUND NOSE CAPE CHISELS

(Sold by Cutting Size)

Black Enameled Body with Polished Bit.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
645	$\frac{1}{8}$ in.	$\frac{3}{8}$ in.	$5\frac{1}{2}$ in.	2 lbs.	
	$\frac{1}{4}$ in.	$\frac{1}{2}$ in.	6 in.	4 lbs.	
	$\frac{3}{8}$ in.	$\frac{3}{4}$ in.	$6\frac{1}{2}$ in.	6 lbs.	
	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	7 in.	9 lbs.	



The Choice of Skilled Mechanics



OCTAGON CENTER PUNCHES

No.	Black Enamelled Stock	Body with Polished Bit.	Length	Wt. per doz.	Price Each
23	$\frac{5}{16}$ in.	$4\frac{1}{2}$ in.	1 lb.		
	$\frac{3}{8}$ in.	$4\frac{1}{2}$ in.	1 $\frac{3}{8}$ lbs.		
	$\frac{7}{16}$ in.	$4\frac{1}{2}$ in.	2 $\frac{1}{8}$ lbs.		
	$\frac{1}{2}$ in.	$4\frac{1}{2}$ in.	2 $\frac{3}{8}$ lbs.		
	$\frac{5}{16}$ in.	6 in.	1 $\frac{3}{8}$ lbs.		
	$\frac{3}{8}$ in.	6 in.	2 lbs.		
	$\frac{7}{16}$ in.	6 in.	2 $\frac{3}{4}$ lbs.		
	$\frac{1}{2}$ in.	6 in.	3 $\frac{1}{2}$ lbs.		



OCTAGON PRICK PUNCHES

Black Enamelled Body with Polished Bit.

No.	Stock	Length	Wt. per doz.	Price Each
24	$\frac{5}{16}$ in.	$4\frac{1}{2}$ in.	1 lb.	
	$\frac{3}{8}$ in.	$4\frac{1}{2}$ in.	1 $\frac{3}{8}$ lbs.	
	$\frac{7}{16}$ in.	$4\frac{1}{2}$ in.	2 $\frac{1}{8}$ lbs.	
Long Slender Pattern				
24	$\frac{5}{16}$ in.	6 in.	1 $\frac{3}{8}$ lbs.	
	$\frac{3}{8}$ in.	6 in.	2 lbs.	
	$\frac{7}{16}$ in.	6 in.	2 $\frac{3}{4}$ lbs.	
	$\frac{1}{2}$ in.	6 in.	3 $\frac{1}{2}$ lbs.	
25	$\frac{3}{8}$ in.	6 in.	2 lbs.	



ARCH OR ROUND PUNCHES

Forged from high-grade steel for cutting washers and gaskets from leather, rubber, cloth, etc.

No.	Size Hole	Wt. per doz.	Price Each
27	$\frac{1}{4}$ in.	2 lbs.	
	$\frac{5}{16}$ in.	1 $\frac{7}{8}$ lbs.	
	$\frac{3}{8}$ in.	2 $\frac{1}{2}$ lbs.	
	$\frac{7}{16}$ in.	3 lbs.	
	$\frac{1}{2}$ in.	3 lbs.	
	$\frac{5}{16}$ in.	4 $\frac{1}{2}$ lbs.	
	$\frac{3}{8}$ in.	4 $\frac{1}{2}$ lbs.	
	$\frac{1}{2}$ in.	6 $\frac{3}{4}$ lbs.	
	$\frac{3}{4}$ in.	6 $\frac{3}{4}$ lbs.	
	$\frac{13}{16}$ in.	11 $\frac{1}{4}$ lbs.	
	$\frac{7}{8}$ in.	11 $\frac{1}{4}$ lbs.	
	$\frac{15}{16}$ in.	10 $\frac{3}{4}$ lbs.	
	1 in.	10 $\frac{1}{2}$ lbs.	
	1 $\frac{1}{8}$ in.	14 $\frac{3}{4}$ lbs.	
	1 $\frac{1}{4}$ in.	14 $\frac{3}{4}$ lbs.	
	1 $\frac{3}{8}$ in.	14 lbs.	
	1 $\frac{1}{2}$ in.	13 $\frac{3}{4}$ lbs.	



OFFSET SCREW DRIVERS

Invaluable for reaching screws in difficult places.

No.	Stock	Length	Wt. per doz.	Price Each
497	$\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	1 lb.	
	$\frac{3}{8}$ in.	8 in.	3 $\frac{1}{4}$ lbs.	
97	$\frac{5}{16}$ in.	6 in.	2 $\frac{3}{8}$ lbs.	



PIN PUNCHES

(Sold by Point and Length Size)

Accurately machined precision tools made by an improved method which insures perfectly square ends. Number and size stamped on each tool.

No. 291	0	1	2	3	4	5	6	7	8	9	* * Price Each
Size	$\frac{9}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$1\frac{3}{4}$	$\frac{3}{16}$	$1\frac{1}{4}$	$\frac{5}{32}$	$\frac{9}{64}$	$\frac{1}{8}$	$\frac{3}{32}$	
Length	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	
	6	6	6	6	6	6	6	5	5	5	
	10	10	10	10	10	10	10	9	9	9	

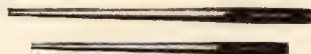
*Due to extremely fine points—these sizes are not guaranteed.



SOLID MACHINE OR DRIFT PUNCHES

(Sold by Point Size)

No.	Point	Stock	Length	Weight Per Doz.	Price Each
293	$\frac{1}{8}$ in.	$\frac{1}{4}$ in.	5 in.	1 lb.	
	$\frac{7}{16}$ in.	$\frac{5}{16}$ in.	5 in.	1 $\frac{1}{4}$ lbs.	
	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	5 in.	2 lbs.	
	$\frac{5}{16}$ in.	$\frac{1}{2}$ in.	$5\frac{3}{4}$ in.	3 $\frac{3}{4}$ lbs.	



ALIGNING PUNCHES

Used by auto mechanics and structural steel workers. Made of the finest steel specially heat treated and hardened to withstand rough usage. Ground longitudinally—to avoid ridges—leaving a smooth even taper.

No.	Stock	Point	Length	Weight Per Doz.	Price Each
391	$\frac{3}{4}$ in.	$\frac{1}{4}$ in.	10 in.	2 $\frac{3}{4}$ lbs.	
	$\frac{1}{2}$ in.	$\frac{1}{4}$ in.	10 in.	5 lbs.	
	$\frac{3}{8}$ in.	$\frac{5}{16}$ in.	12 in.	8 $\frac{1}{2}$ lbs.	
	$\frac{3}{4}$ in.	$\frac{5}{16}$ in.	12 in.	10 lbs.	
	$\frac{7}{8}$ in.	$\frac{3}{8}$ in.	15 in.	24 lbs.	
	1 in.	$\frac{3}{8}$ in.	15 in.	24 $\frac{1}{2}$ lbs.	



RIVET SETS

No.	Size of Drill	For Iron	For Copper	Rivets	Per Doz.	Wt.	Price Each
350	Size of Hole	Gauge No.	Nos.	Inches			
00	$\frac{5}{16}$ in.	$\frac{5}{16}$	14	—	10	lbs.	
0	$\frac{9}{32}$ in.	$\frac{9}{32}$	10, 11	5	$\frac{1}{4}$ in.	9 $\frac{3}{4}$ lbs.	
1	$1\frac{3}{64}$ in.	$1\frac{3}{64}$	7, 8	6	$\frac{7}{32}$ in.	$5\frac{1}{4}$ lbs.	
2	.213 in.	3	6	7	$\frac{3}{16}$ in.	$5\frac{1}{4}$ lbs.	
3	.191 in.	11	4, 5	8	$\frac{5}{32}$ in.	$5\frac{1}{4}$ lbs.	
4	.166 in.	19	2 $\frac{1}{2}$, 3	9	$\frac{9}{64}$ in.	$4\frac{1}{4}$ lbs.	
5	.1495 in.	25	1 $\frac{3}{4}$, 2	10, 11	$\frac{1}{8}$ in.	$4\frac{1}{4}$ lbs.	
6	.1405 in.	28	1 $\frac{1}{2}$	12	$\frac{3}{64}$ in.	$4\frac{1}{4}$ lbs.	
7	.1285 in.	30	1 $\frac{1}{4}$	13	$\frac{3}{32}$ in.	$4\frac{1}{4}$ lbs.	
8	.110 in.	35	10, 12 oz.	14	$\frac{3}{32}$ in.	$4\frac{1}{4}$ lbs.	



The Choice of Skilled Mechanics



RIVET BUSTERS

A practical tool specially designed for cutting rivets in places difficult to reach.
Handy for dismantling old automobiles.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
490	3/8 in.	3/4 in.	8 in.	11 lbs.	
	3/8 in.	3/4 in.	12 in.	16 1/2 lbs.	
	3/4 in.	7/8 in.	18 in.	36 lbs.	



GOOSE OR JIMMY BARS

Invaluable for aligning work and prying it into place. Very light to handle, but strong enough for the heaviest jobs. Should be in every mechanic's tool kit.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
491	3/4 in.	3/8 in.	14 in.	11 lbs.	
	3/8 in.	3/4 in.	16 in.	18 lbs.	



FLOOR CHISEL

For cutting through old floors, brick walls, and partitions.

An attractive and exclusive Kraeuter design. The blade is recessed, with edges so shaped that they will not choke.

Perfect temper. Built for cutting. Face highly polished. Grip and recess black finish. Packed single.

No.	Length	Cut	Stock	Wt. per Doz.	Price Each
336	18 in.	2 in.	3/4 in.	26 lbs.	



RIPPING CHISEL

An exclusive Kraeuter design, unlike any other ripping chisel. Has an effective nail-pulling feature, the oval edge enables you to make a rapid and easy entry between boards, etc. Ideal for opening boxes and for light wrecking. Face of jaw polished. Black grip. Perfect temper. Packed single.

No.	Length	Cut	Stock	Wt. per Doz.	Price Each
334	18 in.	1 3/8 in.	3/4 in.	26 lbs.	



STEEL WOOD CHISELS

An exclusive Kraeuter design, with beveled edges and bit, making it easier to operate in heavy wood. The handle is slightly raised to clear the hand when using.

Forged from special chisel steel, perfect temper, highly polished face, side of grip, bevels and bit. Number and size stamped on shank.

No.	Cut	Stock	Length	Weight Per Doz.	Price Each
403	3/8 in.	1/2 in.	11 in.	6 lbs.	
	3/4 in.	1/2 in.	11 in.	7 lbs.	
	1 in.	3/8 in.	11 in.	10 1/2 lbs.	
	1 1/4 in.	3/8 in.	11 in.	11 1/2 lbs.	
	1 1/2 in.	3/4 in.	11 in.	15 lbs.	
	2 in.	7/8 in.	12 in.	23 lbs.	



CURVED BEARING SCRAPERS

Three sizes to a set

Improved type. Flat side recessed. Can sharpen edges with stone. English file steel.

No.	Full Length	Blade	Wt. per doz.	Price Each
1202	10 in.	2 1/2 in.	3 1/4 lbs.	
	12 in.	3 1/4 in.	4 3/8 lbs.	
	13 in.	4 1/4 in.	5 1/2 lbs.	
	Set of Three, 1 lb. a set			
1203	10 in.	3 in.	2 1/2 lbs.	
	11 in.	3 1/2 in.	3 3/8 lbs.	
	12 in.	4 in.	4 1/4 lbs.	
	Set of Three, 7/8 lb. a set			



THREE SQUARE BEARING SCRAPER

No.	Length	Blade	Wt. per doz.	Price Each
193	7 in.	3 1/4 in.	2 1/8 lbs.	



CARPENTERS' WRECKING BAR

A new and improved wrecking bar. The goose neck gives a more direct pull than the old type of bar. The claw is designed to grip a six-penny nail as easily as a twenty-penny.

These tools are widely used by concrete construction men, as well as by wreckers in dismantling old buildings. Packed single.

No.	Length	Cut	Stock	Wt. per Doz.	Price Each
214	18 in.	1 1/2 in.	3/4 in.	33 lbs.	
	24 in.	1 1/2 in.	3/4 in.	43 lbs.	
	30 in.	1 1/2 in.	3/4 in.	53 lbs.	



WOOD FLOOR CHISELS

Thin Blade

Used by electricians, plumbers and other workmen for taking up floor boards without damage.

Forged from special chisel steel—perfectly hardened—spring tempered.

Blade is ground thin, with sharp edge, and extreme gradual bevel.

No.	Width of Blade	Length	Wt. per doz.	Price Each
333	2 in.	8 in.	10 1/4 lbs.	
	2 1/2 in.	8 in.	10 3/4 lbs.	
	3 in.	8 in.	11 lbs.	
	2 in.	12 in.	14 1/4 lbs.	
	2 1/2 in.	12 in.	15 3/4 lbs.	
	3 in.	12 in.	16 lbs.	



The Choice of Skilled Mechanics



STAR DRILLS

These tools are drop forged from high-carbon steel, oil hardened and oil tempered on both cutting and striking end. The size and number are plainly marked on each drill. The blades have a rounded bevel which gives support to the cutting edge, and permits fast work without splintering or cracking the edge. The flutes are large enough to prevent clogging, and the blades are specially designed for ease in rotating the drill in the hole.

No	Size Hole	Length	Wt. per doz.	Price Each
342	1/4 x 8 in.		1 lb.	
	5/16 x 8 in.		1 1/2 lbs.	
	3/8 x 8 in.		2 1/4 lbs.	
	7/16 x 8 in.		2 3/4 lbs.	
	1/2 x 8 in.		3 1/4 lbs.	
	9/16 x 8 in.		4 lbs.	
	5/8 x 8 in.		4 lbs.	
	3/4 x 8 in.		5 1/2 lbs.	
	7/8 x 8 in.		8 3/4 lbs.	
1	x 8 in.		11 1/2 lbs.	
	1/4 x 12 in.		1 1/2 lbs.	
	5/16 x 12 in.		2 1/4 lbs.	
	3/8 x 12 in.		3 1/2 lbs.	
	7/16 x 12 in.		3 1/2 lbs.	
	1/2 x 12 in.		5 lbs.	
	9/16 x 12 in.		6 1/2 lbs.	
	5/8 x 12 in.		6 1/2 lbs.	
	3/4 x 12 in.		8 3/4 lbs.	
	7/8 x 12 in.		12 3/4 lbs.	
1	x 12 in.		17 lbs.	
1 1/8	x 12 in.		23 lbs.	
1 1/4	x 12 in.		29 lbs.	
1 1/2	x 12 in.		30 1/2 lbs.	
	3/8 x 18 in.		5 1/4 lbs.	
	5/16 x 18 in.		5 1/4 lbs.	
	1/2 x 18 in.		7 1/2 lbs.	
	9/16 x 18 in.		9 1/2 lbs.	
	5/8 x 18 in.		9 1/2 lbs.	
	3/4 x 18 in.		12 3/4 lbs.	
	7/8 x 18 in.		19 lbs.	
1	x 18 in.		26 lbs.	
1 1/8	x 18 in.		36 lbs.	
1 1/4	x 18 in.		46 lbs.	
1 1/2	x 18 in.		47 lbs.	
	1/2 x 24 in.		9 3/4 lbs.	
	9/16 x 24 in.		13 lbs.	
	5/8 x 24 in.		13 lbs.	
	3/4 x 24 in.		16 1/2 lbs.	
	7/8 x 24 in.		25 1/2 lbs.	
1	x 24 in.		36 lbs.	
1 1/8	x 24 in.		51 lbs.	
1 1/4	x 24 in.		64 lbs.	
1 1/2	x 24 in.		66 lbs.	



(Patent No. 2,088,197)

"KWI-KUT" CONCRETE DRILLS

No. 340—"Kwi-Kut" Drills cut 50% faster than regular Star Drills—Needs less rotating—will not bind in hole—easy to sharpen. See illustration and sizes, Page No. 21.



BRICK CHISELS

After this tool is trip hammered, it is die forged to give it graceful lines. The line of the back is perfectly straight. Our experience in knowing the requirements of chisels enables us to select the best possible material out of which to make our products. Black finish, with polished edge and "K" design. Number and size stamped on each tool. Packed six in a box.

No.	Cut	Length	Wt. per doz.	Price Each
502	2 1/2 in.	6 1/4 in.	9 3/4 lbs.	
	3 in.	6 3/4 in.	13 1/2 lbs.	
	3 1/2 in.	6 3/4 in.	15 lbs.	
	4 in.	7 in.	19 1/2 lbs.	
	4 1/2 in.	7 in.	21 lbs.	



CONCRETE CHISELS

For breaking up old concrete. Used by public utility companies on street work; also by plumbers, gas and steam fitters, masons, tile setters, wreckers, etc. Made from special chisel steel, perfectly tempered.

No.	Stock	Wt. Each	Price Each	Stock	Wt. Each	Price Each
432						
					18 Inches Long	
					3/8 in. 1 lb. 8 ozs.	
					3/4 in. 2 lbs. 2 ozs.	
					7/8 in. 2 lbs. 15 ozs.	
					1 in. 3 lbs. 13 ozs.	
					1 1/8 in. 4 lbs. 24 ozs.	
					1 1/4 in. 5 lbs. 14 ozs.	
					1 1/2 in. 8 lbs. 4 ozs.	
					24 Inches Long	
					7/8 in. 4 lbs. 1 oz.	
					1 in. 5 lbs. 1 oz.	
					1 1/8 in. 6 lbs. 10 ozs.	
					1 1/4 in. 8 lbs.	
					1 1/2 in. 11 lbs. 3 ozs.	
					30 Inches Long	
					1 1/4 in. 10 lbs. 2 ozs.	
					1 1/2 in. 14 lbs. 8 ozs.	



OPEN END WRENCHES

Drop forged from carefully selected steel, these Open End Wrenches will withstand the hardest usage. Tumble Nickel Finish.

No.	Size	Wt. per doz.	Price Each
1013	5/16 x 1 3/4	3 1/4 lb.	
1214	3/8 x 7/16	1 1/8 lbs.	
1618	1/2 x 9/16	2 3/8 lbs.	
1922	5/8 x 1 1/16	3 1/2 lbs.	
2024	3/4 x 3/4	5 lbs.	

Complete set 1 lb. (each set)
For Special No. K5 Wrench Unit—See Page No. 19.



The Choice of Skilled Mechanics

Special . . .

New . . .

KRAEUTER K5 WRENCH SETS

IN DISPLAY BOX

Increase your sales with this leader



Fast Seller

Good Profit

Small Investment

Quick Returns



DROP FORGED

HARDENED

TEMPERED

Nickel Plated Shanks

Polished Nickel Plated Head

The above is a complete packaging display unit in three colors consisting of seven sets of Krauter Wrenches—one set being mounted for display purposes on a colored pad, and the balance packed (in sets) in the box underneath the pad. This is complete with display card and makes a very attractive counter unit.



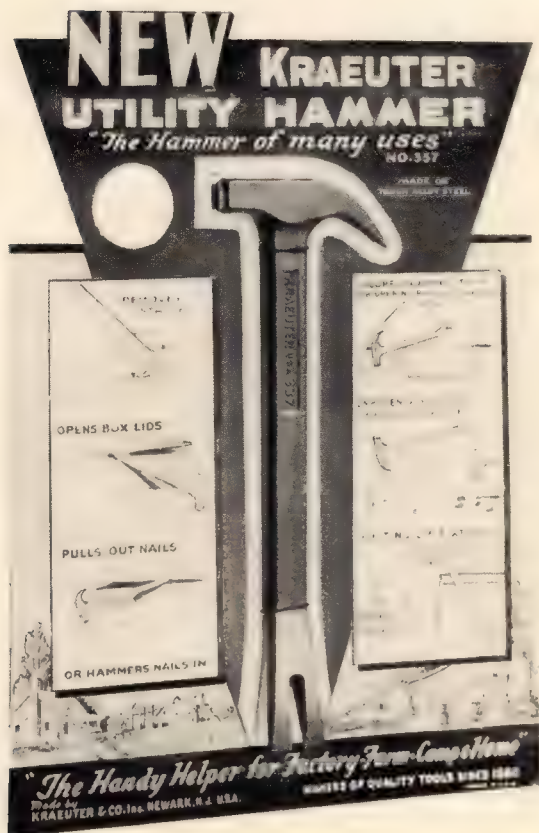


Another Fine Sales Leader

KRAEUTER UTILITY HAMMER

No. 337

The Hammer of Many Uses



Fast Seller



Good Profit



Small Investment



Drop Forged



Made of
Tough Alloy
Steel
Throughout



A Wonderful
Sales Item

DISPLAY CARD NO. 337

An attractive three colored counter display card, 15½" x 11", complete with easel, on which is mounted one Utility Hammer.

Display card supplied free and hammer charged at dealer's cost.

Furnished in two finishes. Black with polished steel claw and nickel plated with satin finish shank, full nickel head and claw.



New-Improved

STAR DRILL

CUTS 50%
FASTER

KRAEUTER KWI-KUT DRILL

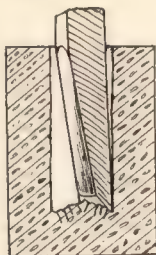
WITH THE CIRCULAR CUT

Patent No. 2,088,197

The Fastest Cutting Star Drill Made

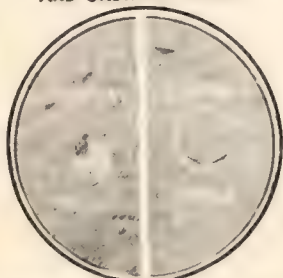
5 REASONS WHY!

- 1—KWI-KUT Requires less rotating while drilling.
- 2—Will not bind in hole and requires only light blows.
- 3—Drill removes material from hole as it drills.
- 4—Easy to sharpen.
- 5—Fine Tool Steel—Accurately Tempered.

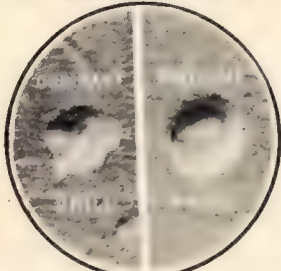


Shows KWI-KUT drill cutting on circumference and breaking out center portion.

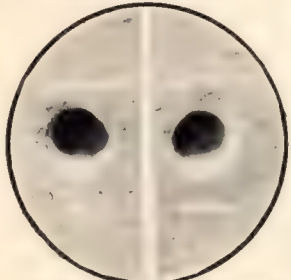
PHOTO COMPARISON OF KWI-KUT
AND ORDINARY DRILL



KWI-KUT CUTS ON CIRCUMFERENCE ONLY
— DRILLS ROUND HOLE —



KWI-KUT BREAKS OUT CENTER PORTION
— DOES NOT WEDGE —



KWI-KUT FINISHES 50% FASTER
— EXPELS OWN CHIPS—



IMPORTANT:—

How to start and center when drilling.

Mark center of hole with a dot and then measure and mark out both sides a distance of one half the size of hole to be drilled, then place drill on these two marks and tap lightly. Complete circle by turning drill right and left and hole will be perfectly centered.

NO. 340 KWI-KUT STAR DRILL

Size	Length	Weight per Doz.	List Price	Size	Length	Weight per Doz.	List Price
1/4 in. x 5 in.		10 oz.		5/8 in. x 12 in.		6 lb. 10 oz.	
1/4 in. x 8 in.		15 oz.		3/4 in. x 12 in.		8 lb. 9 oz.	
5/16 in. x 8 in.		1 lb. 10 oz.		7/8 in. x 12 in.		12 lb. 13 oz.	
3/8 in. x 8 in.		2 lb. 6 oz.		1 in. x 12 in.		18 lb. 4 oz.	
7/16 in. x 8 in.		3 lb. 5 oz.		7/16 in. x 18 in.		7 lb. 10 oz.	
1/2 in. x 8 in.		3 lb. 6 oz.		1/2 in. x 18 in.		7 lb. 12 oz.	
1/4 in. x 12 in.		1 lb. 6 oz.		5/8 in. x 18 in.		10 lb. 1 oz.	
5/16 in. x 12 in.		2 lb. 4 oz.		3/4 in. x 18 in.		13 lb. 1 oz.	
3/8 in. x 12 in.		3 lb. 8 oz.		7/8 in. x 18 in.		19 lb. 6 oz.	
7/16 in. x 12 in.		4 lb. 15 oz.		1 in. x 18 in.		26 lb. 13 oz.	
1/2 in. x 12 in.		5 lbs.					

KRAEUTER & CO.

ESTABLISHED
1860

Newark, N. J., U. S. A.



A QUESTIONNAIRE

Showing Why Kraeuter New Improved Star Drills Are Superior to Ordinary Star Drills

1. WHAT IS THEIR MAIN ADVANTAGE?

They cut 50% faster—saving time and labor.

2. WHY DOES THE "KWI-KUT" STAR DRILL CUT FASTER THAN THE ORDINARY STAR DRILL?

Because it only has to cut at the circumference of the circle, the center breaks out in lumps, whereas the ordinary Star Drill must cut the entire surface of the hole. Furthermore, due to its formation, the broken material is eliminated from the hole quickly.

3. GIVE ANOTHER ADVANTAGE.

The "KWI-KUT" Star Drill can be used to scoop out the surplus material from the hole.

4. HOW DO YOU START DRILLING HOLE?

Place the cutting edge where the hole is to be drilled and tap it lightly with a hammer, then move it around about one-third of the way and tap it again, then move it around completing the circle. Continue with light taps of the hammer until about $\frac{1}{8}$ " deep. (This prevents excessive chipping from the surface). Then use whatever blows of the hammer you choose.

5. IS IT NECESSARY TO CONTINUALLY REVOLVE THE "KWI-KUT" STAR DRILL WHILE CUTTING AS IS NECESSARY WITH THE ORDINARY STAR DRILL?

No, several blows may be made before turning.

6. DO "KWI-KUT" STAR DRILLS DULL EASILY?

No, their design gives them a tendency to re-sharpen themselves while cutting concrete or brick.

7. HOW CAN THE "KWI-KUT" STAR DRILL BE SHARPENED?

By filing the bevel on the inside of the curve with a fine half round file. (This can be done on the job.) This is not necessary unless the edge is rounded over very badly.

8. DOES RE-SHARPENING "KWI-KUT" STAR DRILLS IMMEDIATELY REDUCE THE CUTTING SIZE?

No, the design enables them to be re-sharpened frequently without losing their size. Ordinary Star Drills quickly become undersize when re-sharpened.

9. SHOULD A DRILL BE RE-EDGED ON ACCOUNT OF ANY SMALL NICKS? AND DO NICKS AFFECT CUTTING QUALITIES?

Nicks will not affect cutting quality.—Re-edge only when cutting edge is too dull.

10. DOES THE DRILL BECOME LESS EFFICIENT IF THE CORNER OF THE CUTTING EDGE BECOMES BLUNT OR ROUNDED?

No, the drill will cut just as well with ends of the cutting edges rounded off.

11. WHY NOT MAKE BEVEL OF CUTTER SHORTER?

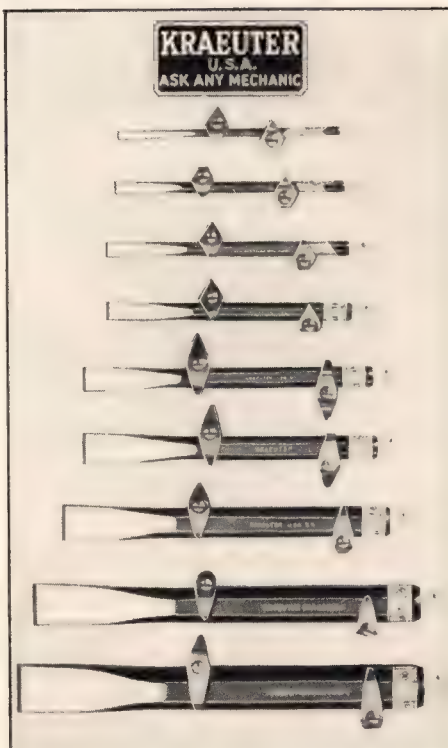
This would shorten life of cutter and make it necessary to sharpen much sooner and more frequently.

12. SHOULD THE STRIKING END OF THE DRILL BE HARDENED SO THAT IT WILL NOT "MUSHROOM"?

No, if hardened to that extent the striking edge might break out and these chips might fly and cause serious wounds. When the end is mushroomed to an undesired extent it is a very easy matter to grind off the edge on an emery wheel.



SPECIAL GOLD LABEL No. 430 KRAEUTER COLD CHISELS



No. 7 CHISEL PANEL UNIT

One of each chisel mounted on panel • Six of each chisel for stock

Stock Number	(Sold by cutting size)			Resale Price	Stock Number	(Sold by cutting size)			Resale Price
	Cut	Stock	Length			Cut	Stock	Length	
# 430	3/16"	3/16"	5"		# 430	3/4"	5/8"	7"	
# 430	1/4"	1/4"	5"		# 430	7/8"	3/4"	8"	
# 430	3/8"	3/8"	5"		# 430	1"	7/8"	8 1/2"	
# 430	1/2"	7/16"	6"		# 430	5/16"	5/16"	5"	
# 430	5/8"	1/2"	6 1/2"						



KRAUTER GOLD LABEL

CHISELS

• PUNCHES •

DRILLS

• ALL TRIP HAMMER FORGED •

- Gold Label Steel is exceptionally tough.
- Scientifically hardened and tempered.
- Thoroughly inspected and tested.
- Guaranteed to give excellent service.



GOLD LABEL
HALL MARK OF EXCELLENCE



A PERFECT KRAEUTER COMBINATION

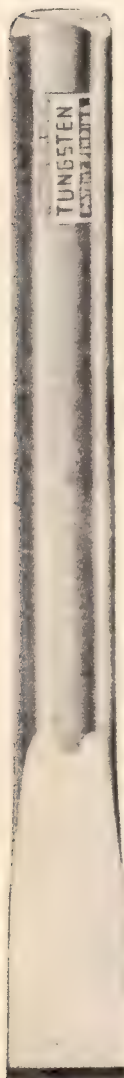
New!

THE "WONDER" CHISEL OF THE TRADE

Made From

THE "WONDER" STEEL—the toughest of its kind

(A Tungsten alloy steel of exceptional toughness made especially for percussion work)

KRAEUTER No. 230
TUNGSTEN CHISELS

Patent Applied For

A Marvelous Improvement in Chisel Shape

- Incomparably Stronger
- Better Grip
- No Sharp Corners
- Will not roll
- Forged and refined by the trip hammer process
- Scientifically heat treated and tempered
- Will cut hardened commercial bolts
- Unequalled for tough jobs
- Extremely high tensile strength and elastic limit

ATTRACTIVE
COUNTER DISPLAY

Furnished with Stock Order

No. 5 PANEL

Size 10" x 16"

Ivory Background

	Cut	Stock	Length	Wt. Per Dz.	Price Each
No. 230	1/2"	3/4"	6"	2 1/4 lb.	
	5/8"	1 1/2"	6 1/2"	4 1/4 lb.	
	3/4"	5/8"	7"	7 lb.	
	7/8"	3/4"	8"	13 lb.	
	1"	3/4"	8 1/2"	19 lb.	

(Sold by Cutting Size)

No. 230

Greatest Improvement Ever Made On Chisels

New!

A NEW SHAPE...

**Gives a Better Grip and
Increases Strength by 20%**

KRAEUTER "NUGRIP" CHISELS No. 330

Patent Applied For

- High Grade Tool Steel
- Forged and refined by the Trip Hammer Process
- Scientifically heat treated and tempered
- Shape gives added strength
- No sharp corners
- Will not roll



No. 330



ATTRACTIVE COUNTER DISPLAY

Furnished with Stock Order

No. 6 PANEL

Size 10" x 16"

Ivory Background

				Wt.	Price
	Cut	Stock	Length	Per Dz.	Each
No. 330	½"	¾"	6"	2½ lb.	
	¾"	1"	6½"	4½ lb.	
	¾"	1"	7"	7 lb.	
	¾"	1"	8"	13 lb.	
	1"	1"	8½"	19 lb.	
(Sold by Cutting Size)					

**New!****Exclusive!****KRAEUTER EXPANSIVE BIT***(Genuine Clark Pattern)***THE EASIEST BORING BIT
ON THE MARKET****Points of Superiority**

1. Made of finely tempered highest grade tool steel.
2. Specially designed to dig in when boring.
3. No hard pushing—Pitch of spur threads draws bit into work.
4. Bores through hard wood such as oak, hickory, and rock maple easier than ordinary bits.
5. Extra wide clearance at working end.
6. Will not choke up in soft wood.
7. Bit stock end forged to pointed shape for easy centering in bit-stock when jaws are worn.
8. Strong, heavy shank.
9. Finely polished finish—not just nickel-plated.
10. The original and genuine William A. Clark Pattern.

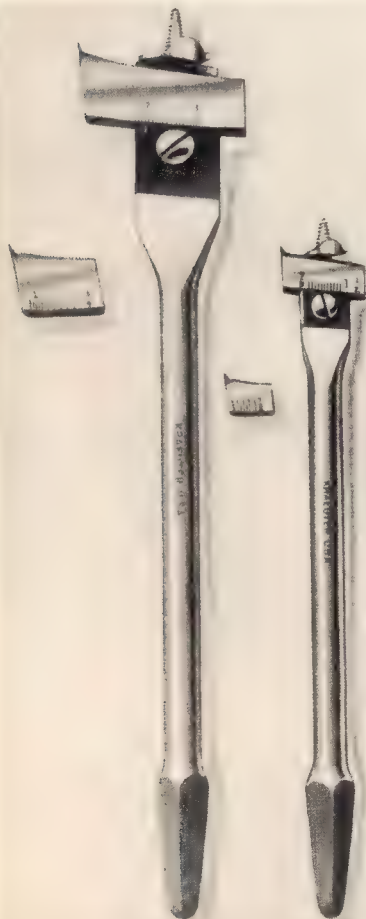
PRICE OF BITS

Large size with two cutters:

 $\frac{7}{8}$ to $1\frac{3}{4}$; $1\frac{3}{4}$ to 3" **\$26.00 dz.**

Small size with two cutters:

 $\frac{1}{2}$ to $\frac{7}{8}$; $\frac{7}{8}$ to $1\frac{1}{2}$ " **\$18.00 dz.****PRICE OF INTERCHANGEABLE CUTTERS**No. 1. $\frac{1}{2}$ to $\frac{7}{8}$ **\$3.00 dz.**No. 2. $\frac{7}{8}$ to $1\frac{1}{2}$ **3.75 dz.**No. 3. $\frac{7}{8}$ to $1\frac{3}{4}$ **5.25 dz.**No. 4. $1\frac{3}{4}$ to 3 **\$6.00 dz.**No. 5. 3 to 4 **9.00 dz.**No. 6. 4 to 5 **12.00 dz.**
PLATES — For Large Bits . . . 3.00 dz.
 — For Small Bits . . . 2.50 dz.

SCREWS — For Large Bits . . . 1.20 dz.
 — For Small Bits . . . 1.20 dz.




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246	7	IN-1661	13
247	7	1662	9
248	7	1671	9
291	16	1672	9
293	16	1681	9
310	5	1691	9
330	15	1701	9
333	17	1711	9
334	17	1721	9
336	17	1722	9
337	20	1731	9
340	18	1741	9
342	18	1751	9
350	16	1771	9
355	5	1772	9
356	5	1781	9
360	5	1782	9
391	16	1800	14
403	17	1801	8
430	15	1821	8
432	18	1830	8
440	15	1831	8
451	12	1841	5
490	17	1850	8
491	17	1851	8
497	16	1902	6
502	18	1903	6
516	5	1912	6
518	5	1913	6
631	15	1922	18
632	15	1923	6
635	15	1933	6
643	6	1939	12
645	15	1943	6
743	5	1972	5
751	12	1973	5
800	11	2024	18
814	11	2612	7
824	11	2631	10
825	11	2801	8
826	11	IN-2801	13
827	11	S2801	8
836	11	3601	7
837	11	4206	7
851	12	4501	7
909	23	IN-4501	13
936	7	4600	14
937	7	4601	7
938	7	4610	7
948	12	4611	7
1013	18	4700	14
1202	17	4801	8
		5601	11
		8208 1/2	7

We have made a number of changes in Tool Numbers and Finishes. Following is a list of the Former Tool Numbers, which have been changed, and the Present Tool Numbers which are illustrated in this catalog.

Former Tool No.	Present Tool No.
236	246-6 in.
237	247-7 in.
238	248-8 in.
366	936-6 in.
377	937-7 in.
388	938-8 in.
435	643-5 in.
437	743-7 in.
488	948-8 in.
565 1/2	355-3 1/2 in.
566	355-6 in.
568	355-8 in.
5610	355-10 in.
2003-5 in.	40-5 in.
2003-6 in.	40-6 in.
2036	40-6 in.
6014 1/2	4501-4 1/2 in.
6015	4501-5 in.
6015 1/2	4501-5 1/2 in.
6016	4501-6 in.
6017 1/2	4501-7 1/2 in.
6116 1/2	4610-6 1/2 in.
6216	1621-6 in.
6315 1/2	1631-3 1/2 in.
6415	1641-5 in.
6616	1661-6 in.
6716	1671-6 in.
6816	1681-6 in.
7216	1721-6 in.
7416	1741-6 in.
7717	1771-7 in.
7817	1781-7 in.
8016	1801-6 in.
8017	1801-7 in.
8018 1/2	1801-8 1/2 in.
8314	1830-4 in.
8315	1830-5 in.
8316 1/2	1830-6 1/2 in.
8317	1830-7 in.
8318	1830-8 in.
9037	1902-7 in.
9137	1912-7 in.
9238	1923-8 in.
92310	1923-10 in.
9735 1/2	1972-5 1/2 in.
9737	1972-7 in.



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